STATE OF VERMONT
AGENCY OF TRANSPORTATION

REINFORCING STEEL SCHEDULE

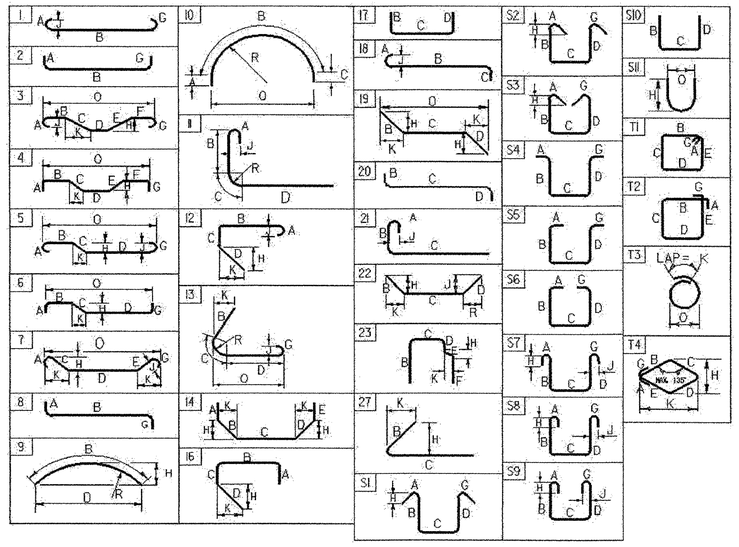
Metric

	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
SLAB																	
△	16	16	9470	ES1601	STR												
	66	16	3030	ES1602	S6	300	350	1730	350			300					
	64	16	1870	ES1603	S5	200	570	230	570			300					
△	35	19	9680	ES1901	STR												
△	49	29	9850	ES2901	1	380	9470										
ABUTMENT NO. 1																	
	28	16	6310	1A1601	STR												
	43	16	1190	1A1602	STR												
✳	34	16	2520	1A1603	STR												
	8	16	2780	1A1604	STR												
▲	33	16	3290	1A1605	STR												
▲	10	16	3540	1A1606	STR												
	48	16	6580	1A1607	STR												
▲	31	16	2150	1A1608	19		660	1490	----				470		470		
▲	37	16	1620	1A1609	19		660	960	----				570		330		
	42	16	1640	1A1610	S10		660	320	660								
	5	16	3010	1A1611	19		660	1420	930								
	9	16	4060	1A1612	20		2400	1000	660								
	47	22	2100	1A2202	STR												
✳	42	22	2870	1A2201	17		----	920	1950								
△	19	25	900	1A2501	STR												
WINGWALL NO. 1																	
				1W1601	NOT USED												
	5	16	1180	1W1602	STR												
	4	16	3030	1W1603	STR												
▲	5	16	3540	1W1604	STR												
▲	12	16	1130	1W1605	STR												
	2	16	1210	1W1606	19		450	760	----				250		380		
	4	16	1640	1W1607	S10		660	320	660								
✳	5	22	3190	1W2201	17		----	1500	1690								
WINGWALL NO. 2																	
	14	16	5300	2W1601	STR												
	18	16	1180	2W1602	STR												
✳	18	16	2670	2W1603	STR												
▲	18	16	3180	2W1604	STR												
▲	11	16	5050	2W1605	STR												
				2W1606	NOT USED												
	17	16	1640	2W1607	S10		660	320	660								
	17	22	2100	2W2202	STR												
	17	22	2610	2W2201	17		----	920	1690								
ABUTMENT NO. 2																	
	28	16	7330	2A1601	STR												
	43	16	1190	2A1602	STR												
✳	34	16	2190	2A1603	STR												
	9	16	2820	2A1604	STR												
▲	33	16	2960	2A1605	STR												
▲	10	16	3590	2A1606	STR												
	42	16	6640	2A1607	STR												
▲	34	16	2230	2A1608	19		660	1570					470		470		
▲	37	16	1620	2A1609	19		660	960	----				570		330		
	42	16	1640	2A1610	S10		660	320	660								
	48	22	2100	2A2202	STR												
✳	43	22	2870	2A2201	17		----	920	1950								
△	19	25	900	2A2501	STR												

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
WINGWALL NO. 3																	
	14	16	2800	3W1601	STR												
	10	16	1180	3W1602	STR												
	9	16	2720	3W1603	STR												
▲	10	16	3230	3W1604	STR												
▲	11	16	2550	3W1605	STR												
	2	16	2520	3W1606	19		380	2140						50		370	
	9	16	1640	3W1607	S10		660	320	660								
✳	10	22	2610	3W2201	17		----	920	1690								
	9	22	2100	3W2202	STR												
WINGWALL NO. 4																	
				4W1601	NOT USED												
	5	16	1180	4W1602	STR												
✳	5	16	3140	4W1603	STR												
	5	16	3650	4W1604	STR												
	13	16	1130	4W1605	STR												
				4W1606	NOT USED												
	4	16	1640	4W1607	S10		660	320	660								
▲	5	22	3190	4W2201	17		----	1500	1690								

~ NOTES ~

1. UNLESS OTHERWISE DESIGNATED, ALL BAR REINFORCEMENT FOR CONCRETE IN SIZES UP TO AND INCLUDING 55M SHALL CONFORM TO THE REQUIREMENTS OF THE "SPECIFICATIONS FOR DEFORMED BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT", AASHTO M 31M (ASTM A 615M-SI). ALL BARS SHALL BE GRADE 420, UNLESS OTHERWISE DESIGNATED.
2. FOR TYPICAL BENDING DETAILS, RECOMMENDED PIN DIAMETER "D" OF BENDS AND HOOKS, AND OTHER STANDARD PRACTICE, SEE CURRENT CONCRETE REINFORCING STEEL INSTITUTE "MANUAL OF STANDARD PRACTICE".
3. BARS WHICH REQUIRE MORE ACCURATE BENDING THAN STANDARD PRACTICES SHOULD HAVE LIMITS INDICATED.
4. ALL DIMENSIONS ARE OUT TO OUT OF BAR EXCEPT "A" AND "G" ON STANDARD 180 DEGREE AND 135 DEGREE HOOKS.
5. "J" DIMENSION ON 180 DEGREE HOOKS TO BE SHOWN ONLY WHERE NECESSARY TO RESTRICT HOOK SIZE. OTHERWISE, STANDARD HOOKS ARE TO BE USED.
6. "H" DIMENSION ON STIRRUPS TO BE SHOWN ONLY WHEN NECESSARY TO MAINTAIN CLEARANCES.
7. WHERE SLOPE DIFFERS FROM 45 DEGREES, DIMENSIONS "H" AND "K" MUST BE SHOWN.
8. ▲ DENOTES BARS TO BE CUT IN FIELD.
9. ✳ DENOTES ONE EXTRA BAR ADDED FOR TESTING PURPOSES.
10. △ DENOTES TWO EXTRA BARS ADDED FOR TESTING PURPOSES.
11. "E" IN PREFIX DENOTES EPOXY COATED REINFORCING STEEL.



ASTM STANDARD REINFORCING BARS

BAR SIZE	NOMINAL MASS (Kg/m)	NOMINAL DIMENSIONS ROUND SECTION		
		DIAMETER (mm)	CROSS SECTIONAL AREA (mm^2)	PERIMETER (mm)
#10	0.560	9.5	71	29.84
#13	0.994	12.7	129	39.90
#16	1.552	15.9	199	49.95
#19	2.235	19.1	284	60.00
#22	3.042	22.2	387	69.74
#25	3.973	25.4	510	79.80
#29	5.060	28.7	645	90.16
#32	6.404	32.3	819	101.47
#36	7.907	35.8	1006	112.47
#43	11.380	43.0	1452	135.09
#57	20.240	57.3	2581	180.01

PROJECT NAME: **WEATHERSFIELD**
PROJECT NUMBER: **TH3 9514**

FILE NAME: \95\284\structures\sj284rs.xls
PROJECT LEADER: R. WHITCOMB
DESIGNED BY: J. LACROIX
REINFORCING STEEL SCHEDULE SHEET #1

PLOT DATE: 2/4/2004
DRAWN BY: J. LACROIX
CHECKED BY: T.A. SUMNER
SHEET 22 OF 31